



ACCESSORIES RANGE

ez-Wheel® ACCESSORIES

EZ-WHEEL® PRODUCTS HAVE BEEN DEVELOPED TO BE INTEGRATED INTO MANY APPLICATIONS IN VARIOUS ENVIRONMENTS. HUNDREDS OF ACCESSORIES COMBINATIONS ARE POSSIBLE THANKS TO THE HIGH LEVEL OF COMPATIBILITY!

Rotating handle

P.60



Bi-directional and intuitive

Assist Wheel Drive controller

P.62



Bi-directional and fully integrated

Hand controls

P.64



Bi-directional and ergonomic

Pre-wired switches

P.66



Plug and play

Machinery HMI & Signals

P.68



Interactive equipment

Safety devices

P.70



Risk prevention and compliance

Cables

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Power, data or signal transmission

Safety hub

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Easy wiring for mobile robots

Chargers

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Multi-use and high compatibility

External batteries

P.76



Continuous use

Mechanical accessories

P.77



Optimal integration

Rotating handle

Bi-directional and intuitive

EW9Z-1ARHX ROTATING HANDLE

allows excellent maneuverability of the fitted equipment. Its various functions (e.g., hand detection, battery level display) make load handling safer and more efficient.

SPECIFICATION

- Directional throttle
- On/off button
- Battery status display
- Hand detection

MAIN APPLICATIONS

- Industrial trolleys
- Rolling equipment for factories
- Mobile workstations and tool trolleys

+ On/Off button



+ Battery level indicators

A remote LED indicates the battery level of the wheel and the wheel state of charge (optimal charge/charge in progress).

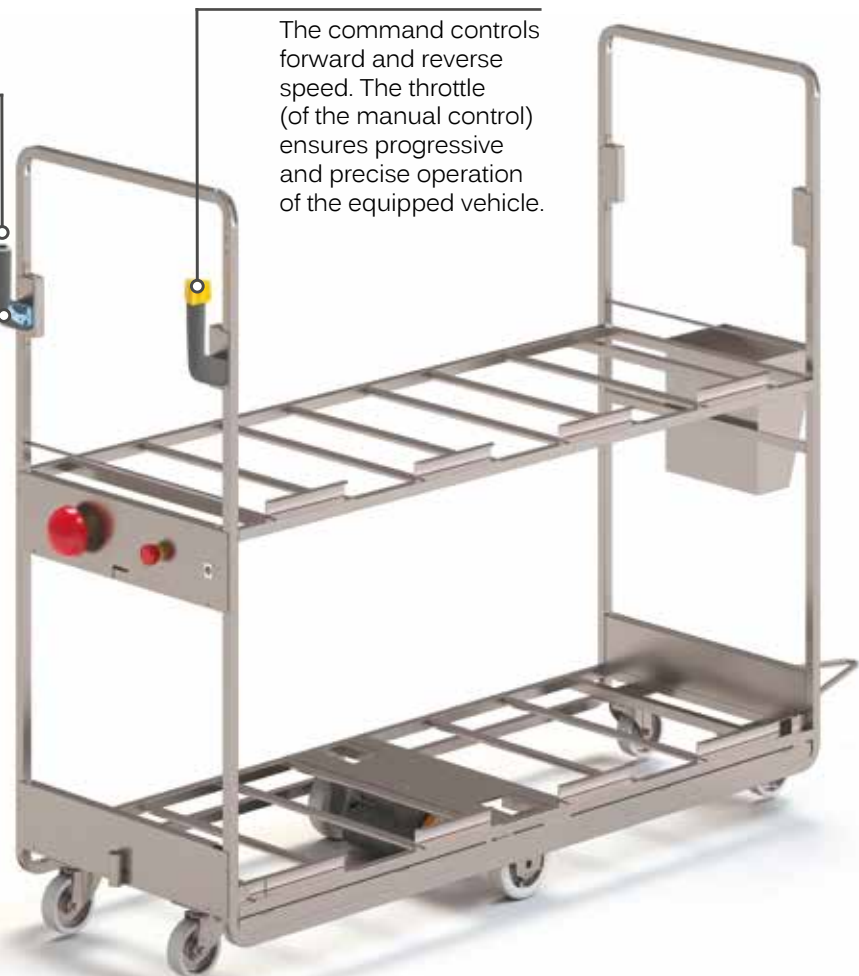
+ Directional throttle

The command controls forward and reverse speed. The throttle (of the manual control) ensures progressive and precise operation of the equipped vehicle.



+ Hand detection

This feature protects the operator by stopping the machine if hand contact is not established with the controls, thereby reducing the risk of accidents and injuries.



WIRED CONTROL



EW9Z-1ARH1

✓ industrial use

Suitable for:	Cable required
✓ AWD® 150/160 Page 30	EW9Z-1ACxM Page 72

WITH BUTTON AND DISPLAY



EW9Z-1ARH2

- ✓ industrial use
- ✓ On/Off button
- ✓ battery level indicators

Suitable for:	Cable required
✓ AWD® 150/160 Page 30	EW9Z-1ACxM Page 72

REFERENCE	Designation
EW9Z-1ARH1	Rotating Handle
EW9Z-1ARH3	Rotating Handle with Hand Detection
EW9Z-1ARH2	Rotating Handle with Button & Display
EW9Z-1ARH4	Rotating Handle with Button & Display and Hand Detection

Assist Wheel Drive controller

Bi-directional and fully integrated

EW9Z-1ACXR CONTROLLER

activates the electric wheels mounted on the rolling equipment.

The control is user-friendly and intuitive for the operator thanks to its features.

SPECIFICATION

- Directional throttle
- On/Off button
- Battery status display

MAIN APPLICATIONS

- Industrial trolleys
- Rolling equipment for factories
- Mobile workstations and tool trolleys

The Assist Wheel Drive controller is designed for easy integration on a tubular structure and for one-handed operation.



WIRED CONTROL



EW9Z-1AC1R

- ✓ industrial use
- ✓ On/Off button
- ✓ battery level indicator

Suitable for:	Cable required
✓ AWD® 150/160 Page 30	Included

WITH ILLUMINATED BUTTON



EW9Z-1AC2R

- ✓ industrial use
- ✓ On/Off button
- ✓ battery level indicators
- ✓ illuminated button

Suitable for:	Cable required
✓ AWD® 150/160 Page 30	Included



REFERENCE	Designation
EW9Z-1AC1R	Assist Wheel Drive controller with stop button
EW9Z-1AC2R	Assist Wheel Drive controller with illuminated stop button
EW9Z-1KCAC	2 meters extension cable for EW9Z-1AC1R or EW9Z-1AC2R

Hand controls

BI-DIRECTIONAL AND ERGONOMIC



EW9Z-1JYTS

Suitable for:	Cable required
✓ AWD® 150/160 Page 30	EW9Z-1ACxM Page 72

Mini joystick

This finger operated mini joystick can control the speed in both directions (forward and backward). It can be mounted at the end of a tube, or on a panel.



EW9Z-1ATH0

Suitable for:	Cable required
✓ AWD® 150/160 Page 30	EW9Z-1ACxM Page 72



EW9Z-1JY3140

Suitable for:	Cable required
✓ AWD® 150/160 Page 30	EW9Z-1ACxM Page 72

Joystick

The joystick can control the speed in both directions (forward and backward). It can be mounted on a panel and is suitable or tough environments.

Tiller head

The command is a tiller head type control. It ensures a proper handling of equipment thanks to ergonomic shapes and well organized commands. It can control the speed in both directions (forward and backward). For safety, the control includes a belly button.

REFERENCE	Designation
EW9Z-1JYTS	Mini joystick
EW9Z-1JY3140	Joystick
EW9Z-1ATH0	Tiller Head

Pre-Wired switches

PLUG AND PLAY



EW9Z-1ONF

Suitable for:	Cable required
✓ AWD® 150/160 Page 30	EW9Z-1ACxM Page 72

Switch On/Off Button

The EW9Z-1ONF is a bistable toggle switch, to start and stop the system.



EW9Z-1KEY

Suitable for:	Cable required
✓ AWD® 150/160 Page 30	EW9Z-1ACxM Page 72

Switch Key Button

The EW9Z-1KEY is a bistable key switch, to secure the start of the system.



EW9Z-1PBD

Suitable for:	Cable required
✓ AWD® 150/160 Page 30	EW9Z-1ACxM Page 72

Switch Push Button and Display

The EW9Z-1PBD is an impulse push button featuring a status or battery level LED display.

REFERENCE	Designation
EW9Z-1ONF	Switch On/Off Button
EW9Z-1KEY	Switch Key Button
EW9Z-1PBD	Switch Push Button Color



EW9Z-1ESSxM

Suitable for:	Cable required
✓ AWD® 150/160 Page 30	Included

Emergency Stop Switch

The EW9Z-1ESSxM is an emergency push button, to disconnect the motor power on AWD® 150/160.



EW9Z-1ERBxM

Suitable for:	Cable required
✓ AWD® 150/160 Page 30	Included

Emergency Reverse Button

The EW9Z-1ERBxM is an emergency reverse button, to secure an operator trapped between the trolley and an obstacle.



REFERENCE	Designation
EW9Z-1ESSxM	Switch Emergency x Meters
EW9Z-1ERBxM	Switch Emergency Reverse Button x Meters

Cables


POWER, DATA
OR SIGNAL
TRANSMISSION

CABLES FOR AWD® PRODUCTS AND ITS ACCESSORIES

REFERENCE	Designation	Compatibility
Charge cables		
EW9Z-1CCxMX	Charge Cable extender x Meters	NiMH Chargers with XLR charge plug - Page 74
EW9Z-1CCxMW	Charge Cable for AWD® 160/150 x Meters	AWD® 150/160 - Page 30
Battery cables		
EW9Z-1BC24V	Cable for 24V power discharge	AWD® 150/160 - Page 30
EW9Z-1BCEXT2MF	Cable for external battery, Flying leads	AWD® 150/160 without internal battery - Page 30
EW9Z-1BCEXT2M	Cable for external battery 2 Meters	AWD® 150/160 without internal battery - Page 30
Hand controls cables		
EW9Z-1ACxM	Adapter Cable x Meters for Button & Display	AWD® 150/160 - Page 30

Chargers

 Universal plug available

 Universal voltage 90-264 V AC

**MULTI-USE
AND HIGH
COMPATIBILITY**

NI-MH CHARGERS



Mascot1A8xx

Suitable for:

✓ AWD® 150/160
Page 30

✓ Ni-MH external batteries
(Charger with XLR charge plug version) - Page 76

Charger 1,8 Amp

XLR charge plug
or Molex charge plug
+ power cord

Available versions Mascot1A8 W U S

W Charge plug

blank: XLR Charge plug
① recommended for remote charging with EW9Z-1CCxMW cable
Page 72

W: Molex Charge plug
① recommended for embedded charger configuration



U S Power cord

Blank: EU
US
UK
AUS

NI-MH CHARGERS



Mascot2A9xx

Suitable for:

✓ AWD® 150/160
Page 30

✓ Ni-MH external batteries
(Charger with XLR charge plug version) - Page 76

Charger 2,9 Amp

XLR charge plug or Molex charge plug + power cord

Available versions Mascot2A9 W U S

W Charge plug

blank: XLR Charge plug
① recommended for remote charging with EW9Z-1CCxMW cable
Page 72

W: Molex Charge plug
① recommended for embedded charger configuration



U S Power cord

Blank: EU
US
UK
AUS

REFERENCE	Designation
Mascot1A8xx	1,8 Amp charger x charge plug with x power cord
Mascot2A9xx	2,9 Amp charger x charge plug with x power cord

NI-MH CHARGERS

Ni-MH



Mascot4A

Suitable for:

✓ AWD® 150/160 with EW9Z-1CCxMW cable
Page 30

✓ Ni-MH external batteries
(Charger with XLR charge plug version) - Page 76

Charger 4 Amp

XLR charge plug + EU power cord

REFERENCE	Designation
Mascot4A	4 Amps charger XLR charge plug with EU power cord

LITHIUM CHARGERS

Li-ion



Mascot10A-Li

Suitable for:

✓ EW9Z-1BEXT20VL Li-ion external battery
Page 76

Charger 10 Amp

XLR charge plug + EU power cord

REFERENCE	Designation
Mascot10A-Li	10 Amps charger Lithium 29,4 V for Li-ion external battery

External batteries

CONTINUOUS USE

NI-MH BATTERIES



EW9Z-1BEXTxxA

Suitable for:	Cable required
✓ AWD® 150/160 without internal battery Page 30	EW9Z-1BCEXT2M Page 72
✓ SWD® range without internal battery Page 41	

External battery with handle

Ni-MH 24 VDC - 9 Ah or 15 Ah

REFERENCE	Designation
EW9Z-1BEXT09A	External Battery with handle Ni-MH 24V 9AH
EW9Z-1BEXT15A	External Battery with handle Ni-MH 24V 15AH

LITHIUM BATTERIES



EW9Z-1BEXT20VL

Suitable for:	Cable required
✓ AWD® 150/160 without internal battery Page 30	EW9Z-1BCEXT2M Page 72
✓ SWD® range without internal battery Page 41	

External battery with handle

Li-ion 24 VDC - 20 Ah

REFERENCE	Designation
EW9Z-1BEXT20VL	External battery Lithium 24V 20Ah

Mechanical accessories

OPTIMAL INTEGRATION

The suspension bracket helps absorb shocks and vibrations, thereby enhancing stability and operator comfort. It also provides height compensation, ensuring secure transport of loads.



EW9Z-1MCS2

Suitable for:

✓ AWD® 150/160
Page 30

Compact suspension bracket

✓ Suitable for medium loads, up to 500 kg.



EW9Z-1MCS3

Suitable for:

✓ AWD® 150/160
Page 30

Compact suspension bracket with stronger spring force

✓ Suitable for heavier loads, between 500 and 1000 kg.



EW9Z-1MCS2
on AWD® 160 wheel

REFERENCE	Designation
EW9Z-1MCS2	Suspension bracket Light / Compact
EW9Z-1MCS3	Suspension bracket Light / Compact (for heavy loads)